

**Surveyors Package**

**DHEC-OCRM**

**Shore Drive to Briarcliff Acres**

**April 15, 2000**

## **Introduction**

The 1990 Beachfront Management Act defines the method by which beachfront jurisdiction is established by the South Carolina Department of Health and Environmental Control, Office of Ocean and Coastal Resource Management (OCRM). The Beachfront Management Act requires that all shorelines be classified as inlet zones or standard zones. Inlet zones are further subdivided into stabilized inlet zones or unstabilized inlet zones.

In unstabilized inlet zones, the baseline is located at the most landward position of the shoreline in the past 40 years, unless the best available scientific and historical data of the inlet and adjacent beaches indicate that the shoreline is unlikely to return to its former position. In standard zones and stabilized inlet zones, the baseline is located at the crest of the primary oceanfront sand dune. If there is no primary dune, the baseline is established based on the volume of sand on the active beach profile at each survey monument.

The position of the setback line is determined by the local long-term erosion rate. In erosional areas, the setback line is located landward of the baseline a distance equal to 40 times the annual erosion rate. In stable or accretional areas, the setback line is located 20 feet landward of the baseline.

All original baselines and setback lines became final on July 3<sup>rd</sup>, 1991. The Beachfront Management Act calls for all lines to be revised between July 1998 and July 2000, and then once every eight to 10 years after each preceding revision. Once a line is adopted as final, it will not change unless OCRM moves it as the result of a successful legal appeal of the line position or following a successful beach renourishment project. The date on which the new lines for this particular area were adopted as final is listed on the front cover.

Section 48-39-330 of the Beachfront Management Act reads as follows:

Thirty days after the initial adoption by the Department of setback lines, a contract of sale or transfer of real property located in whole or in part seaward of the setback line or the jurisdictional line must contain a disclosure statement that the property is or may be affected by the setback line, baseline, and the seaward corners of all habitable structures referenced to the South Carolina State Plane Coordinate System (N.A.D.-1983) and include the local erosion rate most recently made available by the Department for that particular standard zone or inlet zone as applicable. Language reasonably calculated to call attention to the existence of baselines, setback lines, jurisdictional lines, and the seaward corners of all habitable structures and the erosion rate complies with this section. The provisions of this section are regulatory in nature and do not affect the legality of an instrument violating the provisions.

As a result, surveyors have been called upon to transfer the OCRM baseline and setback lines to individual plats and to locate these lines in the field. OCRM has undertaken several steps to facilitate this task, as described below.

## **Orthophotographs**

Orthophotographs, which are aerial photographs with the distortion removed at ground level, have been produced for all developed beaches in the state. These maps are to national map accuracy standards, and are depicted in the South Carolina State Plane Coordinate System (NAD 83). The maps are based on July 1993 photography, are at a scale of 1"=100', and have the beach lines drawn on them. Copies of these maps are available for review in the appropriate OCRM office and municipal or county office. Copies are available for sale at Duncan-Parnell, Inc., 3150 W. Montague Ave., North Charleston, SC, 29419, phone 843-747-6033.

## **Digitized Lines**

OCRM has digitized the location of the baseline and setback line for all islands where such lines have been established. These digital line coordinates are listed as northings and eastings in the South Carolina State Plane Coordinate System (NAD 83), in units of international feet. They are provided in order to avoid having different surveyors obtain slightly different results when digitizing or scaling off the orthophotographs. Appendix 1 gives the line coordinates for this area.

## **Beach Survey Monuments**

In 1987, OCRM installed a network of beach survey monuments along most of South Carolina's shoreline. Over time, additional monuments have been added to the network to replace ones that have been destroyed. In general, the replacement monument is along the same shore-perpendicular line as the original monument but farther landward. Replacement monuments are stamped with the letter "B" (or the letter "C" for a third-generation monument). For example, monument 4220 was replaced with 4220B. These monuments are located horizontally in the South Carolina State Plane Coordinate System (NAD 83), and are vertically referenced to 1929 NGVD. Description sheets for all monuments in this are given in Appendix 2. In some cases, the monument's coordinates are given in meters. To convert to international feet, divide by 0.3048.

## **Local Erosion Rates**

OCRM has conducted studies of the long-term erosion rates at all survey monument locations. These rates were used to establish the location of the setback line, and must also be given on individual plats. In erosional areas the exact rate was determined. In stable or accretional areas no specific number was determined, and the shoreline is officially classified as "stable to accretional" or S/A. Local erosion rates for the area covered by this report are given in Appendix 3.

## **Plat Review Requirements**

In order to receive a permit from OCRM for many activities seaward of the setback line, the applicant must submit a plat in state plane coordinates with specific information shown on it. The following is a list of the required information:

1. Monuments used to reference the survey.
2. Line coordinates used to establish the baseline and setback line.
3. Coordinates of the property corners.
4. Coordinates of the corners of any habitable structures on the property.
5. Distance between the seaward structure corners and the baseline and setback line.
6. Footprint of all structures on the property.
7. Location of the crest and trough of the primary oceanfront sand dune.
8. Local erosion rate.

## **Appendix 1**

### **Line Coordinates**

This appendix contains a listing of OCRM baseline and setback line coordinates, given as northings and eastings in international feet referenced to the South Carolina State Plane Coordinate System (NAD 83). Coordinates are listed as one continuous line that begins at one end of the island or beach and extends to the other. There are separate listings for the baseline and the setback line.

SHORE DRIVE/BRIARCLIFF BASELINE

DHEC-OCRM BASELINE COORDINATES  
SHORE DRIVE/BRIARCLIFF ACRES  
VALID AS OF APRIL 15, 2000  
STATE-PLANE COORDINATE SYSTEM, NAD 1983  
INTERNATIONAL FEET

NORTHING	EASTING
707137.48	2670500.01
707078.92	2670581.07
707021.27	2670660.87
707082.04	2670740.29
707142.80	2670819.71
707203.57	2670899.13
707264.34	2670978.55
707325.11	2671057.96
707385.87	2671137.38
707405.26	2671162.72
707470.33	2671238.65
707535.40	2671314.59
707600.47	2671390.52
707665.54	2671466.46
707730.61	2671542.39
707795.68	2671618.32
707860.75	2671694.26
707925.81	2671770.19
707990.88	2671846.13
708055.95	2671922.06
708074.30	2671943.47
708138.11	2672020.47
708201.92	2672097.46
708265.73	2672174.46
708329.53	2672251.46
708393.34	2672328.45
708457.15	2672405.45
708520.96	2672482.45
708530.40	2672493.84
708592.65	2672572.10
708654.91	2672650.36
708717.16	2672728.62
708779.41	2672806.88
708841.67	2672885.14
708903.92	2672963.40
708966.17	2673041.66
709028.43	2673119.92
709090.68	2673198.18
709152.93	2673276.43
709215.18	2673354.69
709277.44	2673432.95
709339.69	2673511.21
709401.94	2673589.47
709464.20	2673667.73
709526.45	2673745.99
709588.70	2673824.25
709650.96	2673902.51
709713.21	2673980.77
709748.10	2674024.63
709769.37	2674043.00

## SHORE DRIVE/BRIARCLIFF BASELINE

709789.80	2674065.58
709814.52	2674083.86
709845.70	2674117.19
709872.58	2674144.07
709898.39	2674174.18
709919.89	2674198.90
709965.05	2674203.20
709981.18	2674230.08
709995.15	2674249.44
710019.88	2674281.69
710045.69	2674321.47
710065.04	2674348.35
710083.32	2674375.23
710101.60	2674394.59
710120.95	2674415.02
710139.23	2674437.59
710157.51	2674459.10
710179.01	2674485.98
710199.44	2674510.71
710222.02	2674545.11
710239.22	2674577.37
710258.57	2674608.55
710277.93	2674638.65
710299.43	2674661.23
710311.26	2674680.58
710319.86	2674692.41
710331.69	2674709.61
710342.44	2674724.67
710356.42	2674740.79
710370.39	2674761.22
710389.75	2674778.43
710408.02	2674798.85
710420.93	2674811.76
710438.13	2674828.96
710448.88	2674840.79
710463.93	2674860.14
710473.61	2674881.64
710488.66	2674903.15
710514.97	2674953.15
710531.33	2674999.49
710553.14	2675041.29
710573.13	2675075.81
710618.56	2675143.96
710679.43	2675231.19
710721.23	2675279.34
710758.48	2675335.68
710780.29	2675363.84
710837.53	2675443.80
710892.05	2675509.22
710960.19	2675609.17
710995.63	2675646.42
711024.70	2675685.49
711056.51	2675720.02
711090.12	2675750.91
711127.38	2675790.89
711159.18	2675825.42
711189.16	2675854.49

## SHORE DRIVE/BRIARCLIFF BASELINE

711210.06	2675879.93
711237.57	2675979.44
711274.67	2676028.57
711325.29	2676114.81
711375.91	2676201.05
711426.53	2676287.29
711437.11	2676305.32
711493.26	2676365.48
711550.81	2676447.26
711608.35	2676529.05
711665.90	2676610.83
711723.45	2676692.61
711780.99	2676774.39
711838.54	2676856.18
711864.36	2676892.87
711921.44	2676966.71
711946.01	2677010.38
711968.75	2677044.04
711993.31	2677078.61
712020.60	2677119.55
712045.17	2677150.48
712074.28	2677194.14
712100.66	2677227.80
712123.40	2677254.18
712141.60	2677286.93
712161.61	2677316.04
712190.72	2677356.98
712219.83	2677393.37
712268.96	2677454.32
712299.56	2677490.29
712322.63	2677540.74
712345.37	2677571.67
712376.30	2677623.53
712413.60	2677677.20
712440.89	2677713.59
712457.27	2677737.24
712472.73	2677766.35
712494.56	2677800.01
712514.58	2677819.12
712527.31	2677839.13
712540.05	2677863.69
712567.34	2677899.17
712588.27	2677926.46
712621.93	2677971.95
712644.67	2678007.43
712668.32	2678041.09
712687.42	2678072.02
712710.17	2678102.95
712730.18	2678134.79
712748.38	2678159.35
712771.12	2678191.19
712808.42	2678241.22
712828.43	2678273.97
712846.62	2678304.90
712861.18	2678322.19
712879.37	2678344.93
712898.48	2678372.22

## SHORE DRIVE/BRIARCLIFF BASELINE

712927.59	2678410.43
712952.15	2678446.82
712980.35	2678482.30
713004.92	2678512.32
713018.56	2678541.43
713040.39	2678568.72
713075.87	2678618.76
713088.61	2678638.77
713103.16	2678659.69
713119.54	2678683.35
713136.82	2678706.09
713158.66	2678742.48
713175.03	2678763.40
713188.68	2678785.23
713208.69	2678811.62
713230.99	2678843.44
713247.74	2678865.77
713266.35	2678893.68
713286.82	2678923.45
713311.01	2678957.88
713327.75	2678981.14
713354.74	2679018.35
713378.00	2679052.78
713404.98	2679089.06
713422.66	2679113.25
713441.26	2679132.79
713463.59	2679152.33
713486.85	2679169.08
713512.91	2679195.13
713537.10	2679234.21
713551.05	2679251.89
713566.87	2679277.94
713588.27	2679305.85
713599.43	2679325.39
713616.18	2679349.58
713630.14	2679370.05
713642.23	2679384.93
713658.98	2679413.78
713676.66	2679434.25
713697.13	2679461.23
713733.41	2679514.26
713750.16	2679538.45
713762.26	2679564.50
713783.65	2679598.93
713809.71	2679636.14
713826.45	2679662.20
713846.92	2679696.62
713878.56	2679745.00
713898.09	2679765.47
713910.19	2679788.73
713928.80	2679811.99
713971.60	2679862.23
714026.49	2679930.15
714059.06	2679984.12
714095.34	2680032.50
714127.91	2680079.95
714161.40	2680134.84

## SHORE DRIVE/BRIARCLIFF BASELINE

714191.17	2680183.22
714266.54	2680276.26
714294.45	2680315.34
714334.46	2680368.37
714383.77	2680449.32
714400.51	2680486.54
714419.12	2680506.08
714445.17	2680539.57
714463.78	2680573.06
714482.39	2680601.91
714513.09	2680641.91
714546.59	2680679.13
714568.92	2680710.77
714595.90	2680740.54
714626.60	2680789.85
714657.31	2680828.00
714686.15	2680868.93
714721.51	2680911.73
714755.00	2680951.74
714773.61	2680975.00
714801.52	2681024.31
714826.64	2681063.39
714853.62	2681102.47
714882.01	2681136.81
714905.30	2681171.75
714934.42	2681221.25
714959.17	2681253.28
714979.55	2681280.94
714997.02	2681307.15
715018.86	2681333.35
715042.15	2681366.84
715069.81	2681413.42
715100.39	2681460.01
715128.05	2681489.13
715157.16	2681528.44
715187.74	2681566.29
715216.85	2681608.51
715241.60	2681633.26
715263.44	2681676.93
715291.10	2681711.87
715314.40	2681757.00
715343.51	2681797.77
715378.45	2681856.00
715404.66	2681898.22
715441.05	2681944.81
715467.26	2681975.38
715499.29	2682024.88
715538.60	2682081.66
715577.90	2682141.35
715609.93	2682189.39
715637.59	2682225.79
715673.99	2682279.65
715719.12	2682326.24
715761.34	2682391.75
715797.74	2682431.06
715850.15	2682511.13
715885.09	2682553.35

## SHORE DRIVE/BRIARCLIFF BASELINE

715931.67	2682631.97
716017.57	2682746.98
716061.24	2682799.39
716099.10	2682832.87
716166.07	2682911.49
716203.92	2682979.91
716238.86	2683025.04
716294.18	2683115.31
716345.13	2683177.91
716372.80	2683224.49
716409.19	2683288.55
716448.50	2683343.87
716487.81	2683386.09
716509.64	2683421.03
716544.59	2683467.62
716573.70	2683501.11
716599.91	2683536.05
716621.74	2683569.53
716639.22	2683601.56
716658.14	2683629.22
716677.07	2683656.88
716706.18	2683688.91
716735.30	2683732.58
716771.70	2683777.72
716790.62	2683814.11
716821.20	2683854.88
716843.03	2683916.02
716882.34	2683962.61
716910.00	2684001.92
716940.09	2684041.11
716970.36	2684087.67
716995.97	2684125.70
717020.03	2684166.06
717050.30	2684196.33
717088.33	2684235.91
717109.29	2684280.15
717134.12	2684315.85
717173.70	2684353.88
717204.75	2684403.56
717228.03	2684434.60
717281.58	2684505.23
717309.53	2684572.75
717345.23	2684611.56
717361.53	2684649.59
717387.91	2684693.05
717405.76	2684719.44
717442.24	2684734.96
717463.97	2684761.35
717481.05	2684800.15
717499.67	2684821.89
717521.41	2684869.23
717537.70	2684898.72
717550.90	2684922.00
717566.42	2684951.50
717578.84	2684971.68
717594.36	2684987.98
717611.44	2685015.14

SHORE DRIVE/BRIARCLIFF BASELINE

717630.06	2685043.86
717641.71	2685062.48
717662.66	2685092.75
717679.74	2685121.47
717694.48	2685145.53
717703.79	2685166.48
717716.99	2685183.56
717741.05	2685209.95
717758.12	2685241.77
717778.30	2685270.48
717800.03	2685294.54
717816.33	2685313.95
717827.97	2685332.57
717850.48	2685362.07
717858.24	2685377.59
717868.33	2685393.11
717879.97	2685412.51
717900.15	2685434.24
717958.36	2685492.45
717980.87	2685500.22
717999.50	2685552.22
718012.69	2685599.56
718029.77	2685634.48
718050.72	2685669.41
718067.02	2685702.78
718080.21	2685733.05
718098.06	2685754.78
718116.69	2685777.29
718129.89	2685789.71
718152.39	2685816.87
718164.03	2685836.28
718171.80	2685861.11
718181.11	2685885.95
718201.29	2685909.23
718220.69	2685927.86
718236.99	2685939.50
718248.63	2685954.25
718254.06	2685985.29
718271.14	2686018.66
718292.87	2686041.95
718317.71	2686078.43
718337.89	2686121.89
718356.51	2686152.16
718375.92	2686194.07
718393.77	2686214.25
718420.15	2686254.60
718446.54	2686294.96
718465.95	2686322.90
718490.78	2686351.62
718514.07	2686373.35
718559.08	2686411.38
718585.47	2686434.66
718612.63	2686466.49
718642.90	2686493.65
718659.20	2686511.50
718687.92	2686528.58
718711.98	2686548.75

SHORE DRIVE/BRIARCLIFF BASELINE

718729.05	2686565.83
718763.20	2686583.68
718779.50	2686596.10
718808.22	2686599.20
718886.60	2686575.92

END

SHORE DRIVE/BRIARCLIFF SETBACK LINE

DHEC-OCRM SETBACK LINE COORDINATES  
SHORE DRIVE/BRIARCLIFF ACRES  
VALID AS OF APRIL 15, 2000  
STATE-PLANE COORDINATE SYSTEM, NAD 1983  
INTERNATIONAL FEET

NORTHING	EASTING
707156.31	2670514.94
707097.75	2670596.00
707051.18	2670660.46
707111.95	2670739.88
707172.71	2670819.30
707233.48	2670898.72
707294.24	2670978.14
707355.01	2671057.56
707415.78	2671136.98
707423.91	2671147.61
707488.98	2671223.54
707554.05	2671299.48
707619.12	2671375.41
707684.19	2671451.34
707749.26	2671527.28
707814.33	2671603.21
707879.40	2671679.15
707944.47	2671755.08
708009.54	2671831.01
708074.61	2671906.95
708092.52	2671927.85
708156.33	2672004.85
708220.14	2672081.84
708283.95	2672158.84
708347.75	2672235.84
708411.56	2672312.83
708475.37	2672389.83
708539.18	2672466.83
708548.88	2672478.53
708611.13	2672556.79
708673.39	2672635.05
708735.64	2672713.31
708797.89	2672791.57
708860.15	2672869.83
708922.40	2672948.09
708984.65	2673026.34
709046.91	2673104.60
709109.16	2673182.86
709171.41	2673261.12
709233.67	2673339.38
709295.92	2673417.64
709358.17	2673495.90
709420.43	2673574.16
709482.68	2673652.42
709544.93	2673730.68
709607.19	2673808.94
709669.44	2673887.20
709731.69	2673965.46
709765.49	2674007.94
709785.06	2674024.84

SHORE DRIVE/BRIARCLIFF SETBACK LINE

709805.99	2674047.70
709828.79	2674064.56
709831.50	2674066.89
709862.96	2674100.50
709889.55	2674127.10
709916.56	2674158.49
709931.71	2674175.92
709967.33	2674179.31
709974.23	2674181.03
709982.02	2674186.23
709985.63	2674190.86
710001.23	2674216.86
710014.41	2674235.11
710038.93	2674267.09
710065.51	2674307.92
710084.52	2674334.33
710102.09	2674360.15
710119.03	2674378.09
710138.37	2674398.51
710157.70	2674422.27
710175.79	2674443.55
710197.63	2674470.84
710217.94	2674495.42
710242.08	2674531.94
710260.03	2674565.38
710278.86	2674595.73
710296.88	2674623.75
710316.81	2674644.68
710319.91	2674648.72
710331.23	2674667.25
710339.27	2674678.30
710351.34	2674695.84
710361.31	2674709.80
710374.55	2674725.08
710388.54	2674745.24
710405.69	2674760.49
710425.47	2674782.35
710437.90	2674794.79
710455.10	2674811.99
710466.64	2674824.64
710482.88	2674845.40
710485.19	2674849.37
710494.57	2674869.73
710508.32	2674889.38
710536.21	2674941.98
710553.39	2674989.90
710574.17	2675029.72
710593.52	2675063.13
710638.38	2675130.43
710698.39	2675216.41
710739.35	2675263.61
710778.01	2675321.69
710799.27	2675349.15
710856.53	2675429.11
710910.48	2675493.86
710978.92	2675594.04
711013.02	2675629.88

SHORE DRIVE/BRIARCLIFF SETBACK LINE

711014.88	2675632.09
711043.21	2675670.15
711073.48	2675703.02
711106.36	2675733.24
711144.94	2675774.53
711176.37	2675808.66
711205.87	2675837.26
711228.61	2675864.70
711232.23	2675870.75
711233.19	2675873.54
711259.48	2675968.63
711293.83	2676014.11
711344.49	2676100.33
711395.16	2676186.54
711445.82	2676272.76
711456.47	2676290.88
711510.81	2676349.11
711512.89	2676351.67
711570.44	2676433.45
711627.98	2676515.24
711685.53	2676597.02
711743.08	2676678.80
711800.62	2676760.58
711858.17	2676842.37
711883.68	2676878.62
711940.43	2676952.03
711966.44	2676997.76
711988.48	2677030.37
712012.88	2677064.71
712040.02	2677105.40
712063.96	2677135.55
712093.73	2677180.06
712119.20	2677212.56
712141.58	2677238.51
712144.38	2677242.53
712162.02	2677274.28
712181.28	2677302.29
712209.88	2677342.52
712238.54	2677378.34
712287.44	2677439.01
712317.84	2677474.74
712320.22	2677478.63
712343.43	2677528.52
712364.71	2677557.46
712396.49	2677610.52
712433.06	2677663.15
712460.09	2677699.19
712477.00	2677723.58
712493.44	2677754.17
712513.17	2677784.59
712531.15	2677801.76
712534.83	2677806.23
712547.56	2677826.25
712560.37	2677850.75
712586.37	2677884.54
712607.31	2677911.86
712641.22	2677957.67

SHORE DRIVE/BRIARCLIFF SETBACK LINE

712664.60	2677994.05
712687.96	2678027.29
712707.33	2678058.58
712729.50	2678088.73
712750.01	2678121.24
712767.66	2678145.06
712790.51	2678177.04
712827.66	2678226.88
712848.91	2678261.46
712866.29	2678290.99
712879.54	2678306.73
712898.12	2678329.94
712917.86	2678358.06
712946.68	2678395.89
712971.52	2678432.62
712999.04	2678467.23
713023.49	2678497.12
713025.58	2678500.61
713039.08	2678528.66
713059.14	2678553.73
713095.45	2678604.87
713108.59	2678625.47
713122.87	2678645.99
713138.97	2678669.25
713155.93	2678691.57
713178.47	2678728.86
713193.93	2678748.61
713208.45	2678771.59
713227.81	2678797.11
713250.42	2678829.35
713266.94	2678851.37
713286.22	2678880.22
713306.52	2678909.75
713330.56	2678943.97
713347.21	2678967.08
713374.17	2679004.27
713397.58	2679038.89
713424.24	2679074.74
713441.11	2679097.83
713457.89	2679115.45
713478.54	2679133.52
713500.88	2679149.60
713503.82	2679152.11
713529.88	2679178.16
713533.31	2679182.50
713556.78	2679220.41
713569.89	2679237.01
713586.71	2679264.37
713607.32	2679291.25
713619.76	2679312.58
713635.91	2679335.92
713649.40	2679355.69
713660.86	2679369.80
713678.61	2679399.79
713694.82	2679418.56
713716.25	2679446.72
713753.18	2679500.65

SHORE DRIVE/BRIARCLIFF SETBACK LINE

713769.89	2679524.79
713771.48	2679527.71
713783.41	2679553.07
713803.69	2679585.70
713829.37	2679622.38
713846.64	2679649.22
713867.29	2679683.91
713897.44	2679730.02
713915.46	2679748.90
713919.39	2679754.40
713930.40	2679775.57
713947.31	2679796.71
713989.87	2679846.67
714045.16	2679915.07
714078.98	2679970.68
714114.54	2680018.10
714147.69	2680066.37
714181.86	2680122.30
714210.80	2680169.32
714285.19	2680261.16
714313.80	2680301.14
714353.62	2680353.92
714404.26	2680436.83
714405.46	2680439.20
714420.72	2680472.95
714436.50	2680489.52
714464.12	2680524.84
714484.38	2680560.72
714502.03	2680588.07
714531.56	2680626.56
714564.43	2680663.08
714587.68	2680695.73
714613.68	2680724.42
714616.27	2680727.85
714646.21	2680775.93
714676.00	2680812.95
714705.24	2680854.36
714739.96	2680896.39
714773.40	2680936.33
714792.35	2680960.01
714822.07	2681011.90
714846.62	2681050.08
714872.78	2681087.98
714900.51	2681121.52
714925.27	2681158.44
714954.34	2681207.78
714978.16	2681238.61
714998.87	2681266.71
715016.28	2681292.77
715037.30	2681317.99
715061.85	2681353.13
715090.18	2681400.71
715119.27	2681445.04
715145.45	2681472.60
715147.33	2681474.84
715176.15	2681513.75
715206.41	2681551.21

SHORE DRIVE/BRIARCLIFF SETBACK LINE

715235.37	2681593.08
715258.57	2681616.29
715263.07	2681622.52
715283.80	2681663.98
715309.92	2681696.98
715311.28	2681699.29
715334.93	2681744.46
715363.04	2681783.82
715398.94	2681843.50
715424.37	2681884.46
715459.63	2681929.60
715485.48	2681959.76
715519.23	2682011.53
715558.33	2682068.00
715597.91	2682128.09
715629.49	2682175.46
715656.70	2682211.26
715692.70	2682264.47
715736.36	2682309.54
715739.29	2682313.24
715780.38	2682376.99
715815.35	2682414.75
715817.82	2682417.92
715869.49	2682496.86
715903.58	2682538.05
715951.67	2682618.63
716036.42	2682732.10
716078.51	2682782.62
716115.00	2682814.90
716184.34	2682895.92
716187.07	2682899.87
716224.02	2682966.68
716257.84	2683010.35
716313.80	2683101.40
716363.75	2683162.76
716393.43	2683212.24
716429.46	2683275.64
716467.15	2683328.68
716505.37	2683369.74
716508.16	2683373.37
716529.46	2683407.45
716563.26	2683452.53
716591.81	2683485.36
716619.11	2683521.65
716641.85	2683556.42
716659.71	2683589.00
716677.95	2683615.67
716695.94	2683641.96
716723.94	2683672.77
716726.15	2683675.60
716754.67	2683718.37
716790.38	2683762.65
716791.72	2683764.91
716811.01	2683801.29
716840.40	2683840.48
716843.37	2683845.69
716864.18	2683903.86

SHORE DRIVE/BRIARCLIFF SETBACK LINE

716900.68	2683947.13
716929.34	2683987.70
716959.13	2684026.49
716990.38	2684074.43
717015.88	2684112.30
717039.12	2684151.21
717067.27	2684179.36
717105.64	2684219.29
717110.02	2684225.64
717130.12	2684268.08
717152.47	2684300.20
717190.33	2684336.58
717194.06	2684341.16
717224.56	2684389.97
717247.19	2684420.15
717300.71	2684490.73
717303.76	2684496.04
717330.07	2684559.64
717362.89	2684595.31
717366.26	2684600.58
717382.92	2684638.58
717408.12	2684680.09
717421.68	2684700.13
717451.64	2684712.88
717459.21	2684717.99
717482.50	2684746.09
717485.26	2684750.68
717501.58	2684787.23
717517.90	2684806.27
717520.24	2684810.07
717542.85	2684858.40
717558.65	2684887.00
717571.78	2684910.17
717587.28	2684939.61
717597.96	2684956.95
717611.74	2684971.42
717614.68	2684975.20
717631.66	2685002.22
717650.20	2685030.80
717661.76	2685049.29
717682.39	2685079.09
717700.28	2685109.06
717714.94	2685132.99
717716.24	2685135.53
717724.55	2685154.10
717735.38	2685168.11
717758.78	2685193.78
717762.20	2685198.60
717778.59	2685229.15
717797.10	2685255.48
717817.84	2685278.46
717834.71	2685298.51
717847.73	2685318.90
717869.56	2685347.51
717871.03	2685350.06
717879.10	2685365.64
717888.46	2685380.03

SHORE DRIVE/BRIARCLIFF SETBACK LINE

717899.27	2685398.02
717917.44	2685417.59
717971.42	2685471.57
717988.69	2685477.53
717997.84	2685483.24
718003.04	2685491.03
718022.09	2685544.12
718035.22	2685591.00
718050.87	2685623.02
718071.30	2685657.06
718088.59	2685692.25
718100.88	2685720.40
718116.58	2685739.52
718134.23	2685760.84
718146.33	2685772.23
718170.87	2685801.56
718184.61	2685823.93
718186.21	2685827.09
718186.94	2685829.12
718194.50	2685853.31
718202.07	2685873.49
718218.70	2685892.68
718236.06	2685909.34
718250.94	2685919.97
718253.96	2685922.53
718255.83	2685924.63
718267.47	2685939.37
718270.80	2685945.06
718272.27	2685950.11
718277.08	2685977.58
718290.98	2686004.74
718310.42	2686025.57
718312.71	2686028.44
718337.54	2686064.92
718339.06	2686067.73
718359.06	2686110.51
718376.95	2686139.58
718378.05	2686141.73
718396.22	2686180.80
718411.74	2686198.34
718413.85	2686201.11
718440.24	2686241.47
718466.45	2686281.55
718484.93	2686308.17
718508.10	2686334.95
718530.01	2686355.40
718574.57	2686393.05
718601.35	2686416.67
718629.85	2686449.69
718658.93	2686475.79
718674.52	2686492.69
718700.18	2686507.95
718727.40	2686530.37
718743.42	2686546.26
718774.32	2686562.41
718777.75	2686564.59
718788.73	2686572.96

SHORE DRIVE/BRIARCLIFF SETBACK LINE

718806.00 2686574.82  
718879.77 2686552.91  
718882.54 2686552.51

END

**Appendix 2**  
**Monument Descriptions**

This appendix contains descriptions of all OCRM beach survey monuments in the area.

DATE : JULY 1991

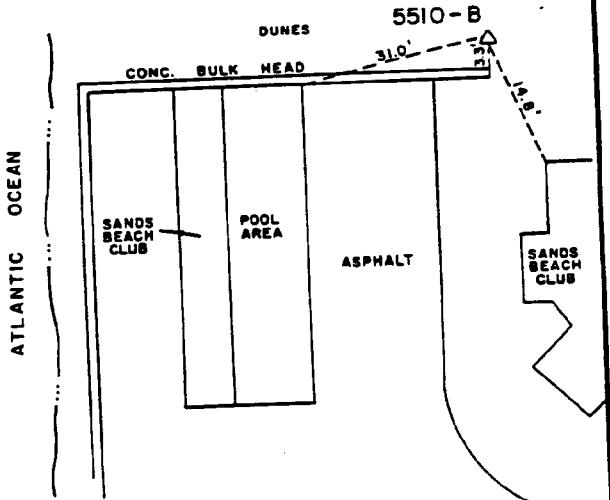
SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5510 B 1990  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1° 13' 23.9" SCALE FACTOR : 0.9997948  
NORTHING : 707.224.03 FEET LAT : 33° 45' 26.93026  
EASTING : 2,570,507.60 FEET LONG : 78° 47' 36.45708  
ELEVATION (NGVD 29) 6.43 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5505 B	232° 38' 02.64	S 51° 24' 39" W	2057.52 FEET
5513 B	046° 17' 52.36	N 45° 04' 29" E	638.24 FEET

DESCRIPTION :  
LOCATED IN LAKE ARROWHEAD ON PRIVATE PROPERTY, TO REACH FROM THE INTERSECTION U.S. HWY. 17 BUSINESS & S-26-469 (LAKE ARROWHEAD ROAD), NORTHWEST OF LAKE ARROWHEAD. GO SOUTHEAST FOR 1.19 MI TO SHORE DRIVE ON THE RIGHT. TURN RIGHT & FOLLOW SHORE DRIVE FOR 0.65 MI TO THE ENTRANCE TO SANDS BEACH CLUB RESORT. FOLLOW MAIN ENTRANCE ROAD THRU PARKING LOT FOR 0.05 MI. TURN RIGHT ON LANE BETWEEN BUILDINGS FOR ABOUT 98.4 FT TO THE STATION ON THE RIGHT.  
A STANDARD BRASS CAP SET ON STAINLESS STEEL ROD. ENCASED IN 4-IN PVC PIPE.

SKETCH :



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. :SCCC 5513 B 1990  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1° 13' 25.9" SCALE FACTOR : 0.9997949  
NORTHING : 707.674.66 FEET LAT : 33° 45' 31.29261  
EASTING : 2.670.959.40 FEET LONG : 78° 47' 30.99215  
ELEVATION (NGVD 29) 6.38 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5510 B	226° 17' 55.39"	S 45° 04' 29"W	638.24 FEET
5515 A	052° 27' 31.71"	N 51° 14' 05"E	1043.99 FEET

DESCRIPTION :  
LOCATED IN LAKE ARROWHEAD, TO REACH FROM  
THE INTERSECTION OF U.S. HWY. 17 &  
S-26-469 (LAKE ARROWHEAD ROAD). GO  
SOUTHEAST ON LAKE ARROWHEAD ROAD FOR 1.19  
MI TO SHORE DRIVE. TURN RIGHT ON SHORE  
DRIVE FOR 0.50 MI TO THE STATION ON THE  
LEFT NEAR THE SOUTHWEST CURB TO ENTRANCE  
OF THE BRIGADINE TOWERS CONDO.  
A STANDARD BRASS CAP SET ON TOP OF A  
PREFABRICATED MONUMENT.

SKETCH :

STATION  
NOT  
RECOVERED

DATE : JANUARY 1992

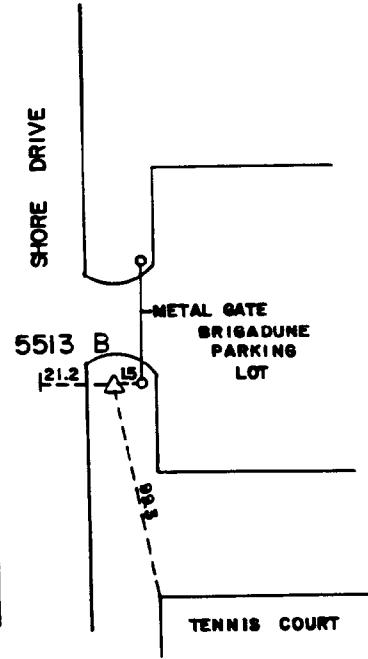
SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5513 B 1990  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1° 13' 26.9" SCALE FACTOR : 0.9997949  
NORTHING : 707.674.66 FEET LAT : 33° 45' 31.29261  
EASTING : 2.670.959.40 FEET LONG : 78° 47' 30.99215  
ELEVATION (NGVD 29) 6.38 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5510 B	226° 17' 55.39"	S 45° 04' 29" W	638.24 FEET
5515 B	053° 09' 26.18"	N 51° 55' 59" E	1032.01 FEET

DESCRIPTION :  
LOCATED IN LAKE ARROWHEAD, TO REACH FROM  
THE INTERSECTION OF U.S. HWY. 17 &  
S-26-469 (LAKE ARROWHEAD ROAD), GO  
SOUTHEAST ON LAKE ARROWHEAD ROAD FOR 1.19  
MI TO SHORE DRIVE. TURN RIGHT ON SHORE  
DRIVE FOR 0.50 MI TO THE STATION ON THE  
LEFT NEAR THE SOUTHWEST CURB TO ENTRANCE  
OF THE BRIGADUNE TOWERS CONDO.  
A STANDARD BRASS CAP SET ON TOP OF A 2-IN  
PVC PIPE ENCASED IN 4-IN PVC PIPE  
SURROUNDED BY CONCRETE.

SKETCH :



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5515 A 1988  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°13'32".4 SCALE FACTOR : 0.9997949  
NORTHING : 708.328.20 FEET LAT : 33°45'37"58562  
EASTING : 2.671.773.25 FEET LONG : 78°47'21"18760  
ELEVATION (NGVD 29) 10.62 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5513 B	232°27'37".15	S 51°13'05"W	1043.99 FEET
5520 B	052°22'14".50	N 51°08'42"E	2644.39 FEET

DESCRIPTION :  
LOCATED ABOUT 1.0 MI EAST FROM U.S. HWY.  
17 BUSINESS. 0.70 SOUTHEAST FROM  
SINGLETON LAKE, ALONG SHORE DRIVE WEST  
OF ATLANTIC OCEAN. TO REACH FROM THE  
JUNCTION OF U.S. HWY. 17 BUSINESS & LAKE  
ARROWHEAD ROAD (S-26-469). GO SOUTHEAST  
ON LAKE ARROWHEAD ROAD FOR 1.1 MI TO A  
CURVE & STREET SIGNS FOR LAKE ARROWHEAD  
ROAD & SHORE DRIVE. KEEP RIGHT ON SHORE  
DRIVE FOR 0.40 MI TO THE STATION ON THE  
LEFT AT THE NORTHWEST END OF A PARKING  
LOT FOR THE A PLACE AT THE BEACH CONDO'S.  
A STANDARD BRASS CAP SET ON TOP OF A  
PREFABRICATED POST.

SKETCH :

STATION  
NOT  
RECOVERED

DATE : JANUARY 1992

SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION

STATION NO. : SCCC 5515 B 1991

STATE : SOUTH CAROLINA COUNTY : Horry

NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1° 13' 32" S SCALE FACTOR : 0.9997949

NORTHING : 708.310.84 FEET

LAT : 33° 45' 37" .41423

EASTING : 2.671.771.72 FEET

LONG : 78° 47' 21" .21010

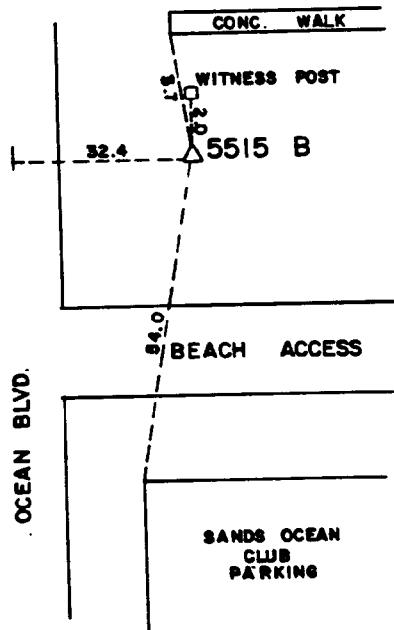
ELEVATION (NGVD 29) 9.27 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5513 B	233° 09' 31" .61	S 51° 55' 59" W	1032.01 FEET
5518 A	050° 33' 20" .15	N 49° 19' 48" E	720.16 FEET

DESCRIPTION :

LOCATED ABOUT 1.0 MI EAST FROM U.S. HWY. 17 BUSINESS, 0.70 MI SOUTHEAST FROM SINGLETON LAKE, ALONG SHORE DRIVE WEST OF ATLANTIC OCEAN. TO REACH FROM THE JUNCTION OF U.S. HWY. 17 BUSINESS & LAKE ARROWHEAD ROAD (S-26-469), GO SOUTHEAST ON LAKE ARROWHEAD ROAD FOR 1.1 MI TO A CURVE & STREET SIGNS FOR LAKE ARROWHEAD ROAD & SHORE DRIVE, KEEP RIGHT ON SHORE DRIVE FOR 0.40 MI TO THE STATION ON THE LEFT AT THE NORTHWEST END OF A PARKING LOT FOR THE A PLACE AT THE BEACH CONDO'S A STANDARD BRASS CAP SET ON A 2-IN PVC PIPE ENCASED IN A 4-IN PVC PIPE SURROUNDED BY CONCRETE.

SKETCH :



DATE : JANUARY 1992

SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MMYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION

STATION NO. : SCCC 5518 A 1991

STATE : SOUTH CAROLINA COUNTY : Horry

NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1° 13' 36".0 SCALE FACTOR : 0.9997949

NORTHING : 708.780.07 FEET

LAT : 33° 45' 41".94044

EASTING : 2.672.317.83 FEET

LONG : 78° 47' 14".62309

ELEVATION (NGVD 29) 9.72 FEET

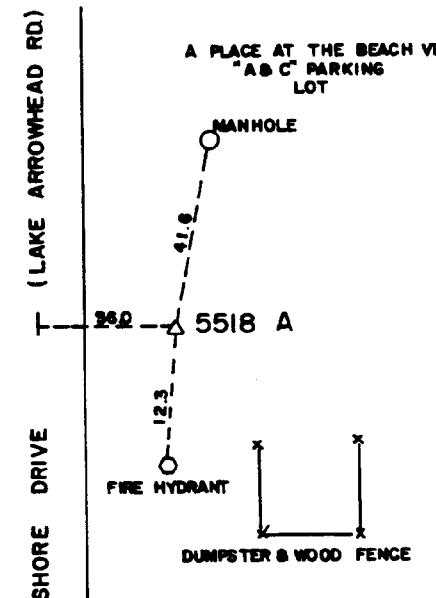
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5515 B	230° 33' 23".80	S 49° 19' 48"W	720.16 FEET
5520 B	052° 40' 29".67	N 51° 26' 54"E	1936.70 FEET

DESCRIPTION :

LOCATED IN LAKE ARROWHEAD, TO REACH FROM THE JUNCTION OF U.S. HWY. 17 BUSINESS & LAKE ARROWHEAD ROAD (S-26-469), GO GO SOUTHEAST ON LAKE ARROWHEAD ROAD FOR 1.1 MI TO A CURVE & STREET SIGN FOR LAKE ARROWHEAD ROAD & SHORE DRIVE. KEEP RIGHT ON SHORE DRIVE FOR 0.25 MI TO THE STATION ON LEFT AT THE ENTRANCE TO A PLACE AT THE BEACH VI PARKING LOT.

A STANDARD BRASS CAP SET ON TOP OF A 2-IN PVC PIPE ENCASED IN 4-IN PVC PIPE SURROUNDED BY CONCRETE.

SKETCH :



DATE : JULY 1991

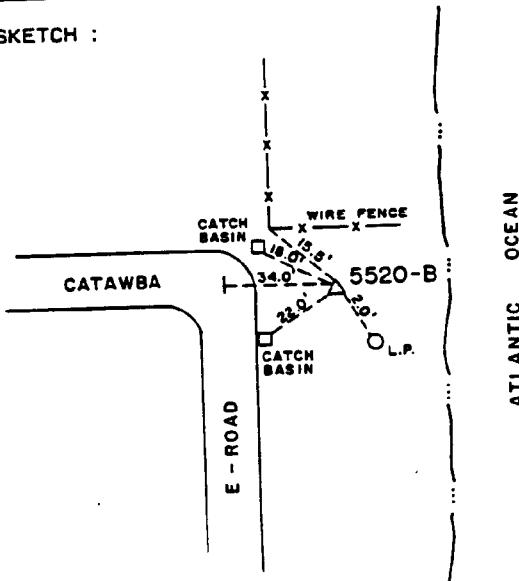
SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5520 B 1990  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1° 13' 46".1 SCALE FACTOR : 0.9997950  
NORTHING : 709 986.82 FEET LAT : 33° 45' 53".55701  
EASTING : 2 673 832.11 FEET LONG : 78° 46' 56".38121  
ELEVATION (NGVD 29) 11.08 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5515 A	232° 22' 28":25	S 51° 08' 42":W	2644.39 FEET
5530 B	050° 21' 48":09	N 49° 08' 02":E	1792.96 FEET

DESCRIPTION : LOCATED IN LAKE ARROWHEAD. TO REACH FROM THE INTERSECTION OF U.S. HWY. 17 BUSINESS & S-26-469 LAKE ARROWHEAD ROAD. GO SOUTHEAST ON LAKE ARROWHEAD ROAD FOR 1.05 TO THE INTERSECTION OF KINGS ROAD & THE ENTRANCE TO THE APACHE CAMPGROUND ON THE LEFT. GO LEFT, THROUGH ENTRANCE WAY, FOR 0.10 MI TO THE JUNCTION OF MAIN TRAIL TURN LEFT & GO 0.40 MI TO THE INTERSECTION OF E-ROAD ON THE LEFT. TURN LEFT & GO 0.10 MI TO THE STATION ON THE RIGHT NEAR A POWER POLE & COVERED PICNIC TABLE.  
A STANDARD BRASS CAP SET ON TOP OF A PREFABRICATED ALUMINUM PIPE EMBEDDED IN CONCRETE & SURROUNDED BY A 4-IN PVC PIPE.

SKETCH :



DATE : JULY 1991

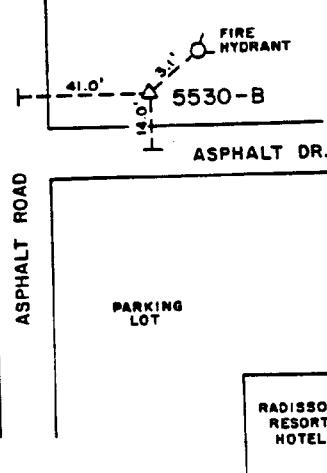
SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5530 B 1990  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°13'55".2 SCALE FACTOR : 0.9997951  
NORTHING : 711.159.70 FEET LAT : 33°46'04.87159  
EASTING : 2.675.187.74 FEET LONG : 78°46'40.02574  
ELEVATION (NGVD 29) 14.18 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5520 B	230°21'57":16	S 49°08'02"W	1792.96 FEET
5535	080°27'49":67	N 79°13'55"E	771.25 FEET

DESCRIPTION : LOCATED IN NORTH MYRTLE BEACH ON PRIVATE PROPERTY. TO REACH FROM THE JUNCTION OF U.S. HWY. 17 BUSINESS & S-26-469 (LAKE ARROWHEAD ROAD). GO SOUTHEAST ON LAKE ARROWHEAD ROAD FOR 0.75 MI TO THE JUNCTION OF S-26-559 (KINGS ROAD) ON THE LEFT. TURN LEFT & GO 0.60 MI TO THE ENTRANCE TO THE RADISSON RESORT ON THE RIGHT. TURN RIGHT FOR 0.05 MI TO A SECURITY GATE. CONTINUE THRU GATE FOR 0.10 MI TO THE STATION ON THE RIGHT NEAR A FIRE HYDRANT. A STANDARD BRASS CAP SET ON TOP OF A PREFABRICATED ALUMINUM PIPE.

SKETCH :



DATE : JULY 1991

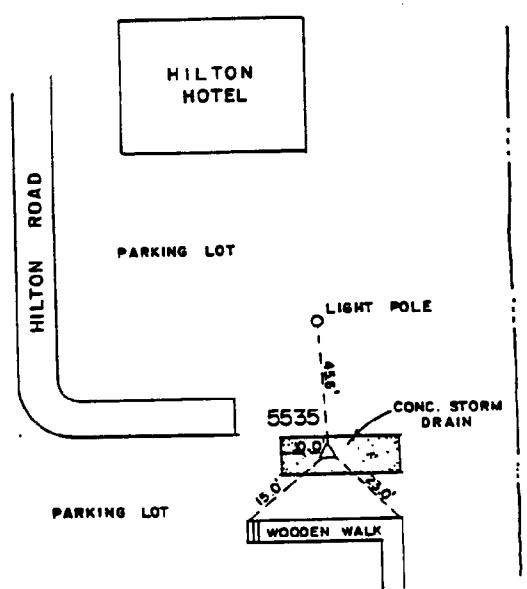
SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5535 1988  
STATE : SOUTH CAROLINA COUNTY : Horry  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1° 14' 00.2" SCALE FACTOR : 0.9997951  
NORTHING : 711.303.77 FEET LAT : 33° 46' 06.13553  
EASTING : 2,675,945.26 FEET LONG : 78° 46' 31.01633  
ELEVATION (NGVD 29) 5.74 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5530 B	260° 27' 54.67"	S 79° 13' 55" W	771.25 FEET
5540 B	055° 12' 55.51"	N 53° 58' 55" E	1106.16 FEET

DESCRIPTION : LOCATED ABOUT 1.0 MI SOUTHWEST FROM LONG LAKE, 149.9 FT EAST-NORTHEAST FROM ATLANTIC OCEAN & SOUTH OF HILTON HOTEL & ON ROAD RIGHT-OF-WAY. TO REACH FROM THE JUNCTION U.S. HWY. 17 BUSINESS & LAKE ARROWHEAD ROAD, GO NORTHEAST ON U.S. HWY. 17 FOR 1.1 MI TO HILTON ROAD ON RIGHT. TURN RIGHT FOR 0.7 MI TO A CROSSROAD. CONTINUE ON HILTON ROAD, WINDING FOR 0.60 MI TO A FORK. KEEP LEFT FOR ABOUT 75.1 FT TO A 4-WAY STOP SIGN. CONTINUE AHEAD FOR 0.10 MI TO A DEAD END & HILTON PARKING LOT ON LEFT. TURN LEFT INTO PARKING LOT ON THE SOUTH SIDE OF HOTEL & GO 0.10 MI TO THE STATION SET IN THE SIDEWALK THAT'S BETWEEN THE HILTON HOTEL & THE RADISSON RESORT. A STANDARD BRASS CAP SET IN A DRILL HOLE IN THE CONCRETE.

SKETCH :



DATE : JULY 1991

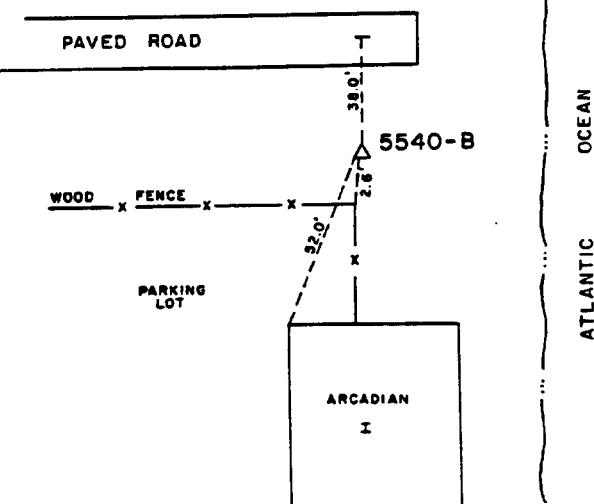
SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5540 B 1990  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°14'06".1 SCALE FACTOR : 0.9997952  
NORTHING : 711.954.10 FEET LAT : 33°46'12".37824  
EASTING : 2.676.839.77 FEET LONG : 78°46'20".25482  
ELEVATION (NGVD 29) 3.89 FEET  
9.89

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5535	235°13'01".47	S 53°58'55"W	1106.16 FEET
5550 B	050°26'48".87	N 49°12'43"E	2165.33 FEET

DESCRIPTION :  
TO REACH:  
FROM THE INTERSECTION OF U.S. HWY. 17  
BUSINESS & S-26-469 (LAKE ARROWHEAD ROAD).  
GO SOUTHEAST ON LAKE ARROWHEAD ROAD FOR  
0.75 MI TO THE INTERSECTION OF S-26-559  
(KINGS ROAD) ON THE LEFT. TURN LEFT ON  
KINGS ROAD FOR 1.05 MI TO AN INTERSECTION.  
TURN RIGHT FOR 0.50 MI TO A PAVED ROAD  
LEFT. TURN LEFT & GO SOUTHEAST FOR 0.10  
MI ON THE PAVED ROAD WHICH BECOMES A SAND  
ROAD TO THE STATION ON THE RIGHT NEAR THE  
NORTH CORNER OF THE FENCE SURROUNDING THE  
NORTHEAST PARKING LOT.  
A STANDARD BRASS CAP SET ON TOP OF A  
PREFABRICATED ALUMINUM PIPE EMBEDDED IN  
CONCRETE & SURROUNDED BY A 4-IN PVC PIPE.

SKETCH :



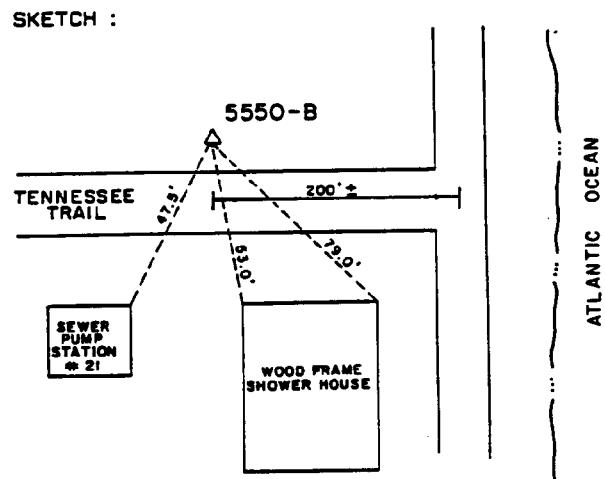
DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5550 B 1990  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1° 14' 17".1 SCALE FACTOR : 0.9997953  
NORTHING : 713 368.34 FEET LAT : 33° 46' 26" 01847  
EASTING : 2 678 478.87 FEET LONG : 78° 46' 00" 47746  
ELEVATION (NGVD 29) 7.91 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5540 B	230° 26' 59".83	S 49° 12' 43" W	2165.33 FEET
5560 B	061° 21' 05".04	N 60° 06' 48" E	2388.57 FEET

DESCRIPTION : LOCATED IN BRIARCLIFF ACRES IN THE MYRTLE BEACH TRAVEL PARK RV RESORT. TO REACH FROM THE JUNCTION OF U.S. HWY. 17 BUSINESS & LAKE ARROWHEAD DRIVE IN CHESTNUT HILL. GO SOUTH ON LAKE ARROWHEAD DRIVE FOR 0.80 MI TO THE JUNCTION OF STATE ROAD S-26-559 ON THE LEFT. TURN LEFT & GO NORTHEAST FOR 1.1 MI TO THE ENTRANCE TO THE MYRTLE BEACH TRAVEL PARK ON THE RIGHT. TURN RIGHT & GO SOUTHEAST ON ENTRANCE ROAD FOR 0.05 MI TO A GUARD SHACK. CONTINUE AHEAD FOR 0.05 MI TO A TRAFFIC CIRCLE. BEAR RIGHT & GO SOUTH FOR 0.05 MI TO MAIN TRAIL. TURN RIGHT ON MAIN TRAIL & GO SOUTHWEST & THEN SOUTHEAST FOR 0.20 MI TO A BATHHOUSE ON THE RIGHT AT FORK IN ROAD. TAKE LEFT FORK & GO EAST-NORTHEAST. STAYING ON MAIN TRAIL FOR 0.20 MI TO TENNESSEE TRAIL ON RIGHT. TURN RIGHT & GO 0.05 MI TO STATION ON LEFT. A BRASS CAP ON 2-FT LONG 2-IN PIPE INSIDE 6-IN PIPE PVC IN CONCRETE.



DATE : JULY 1991

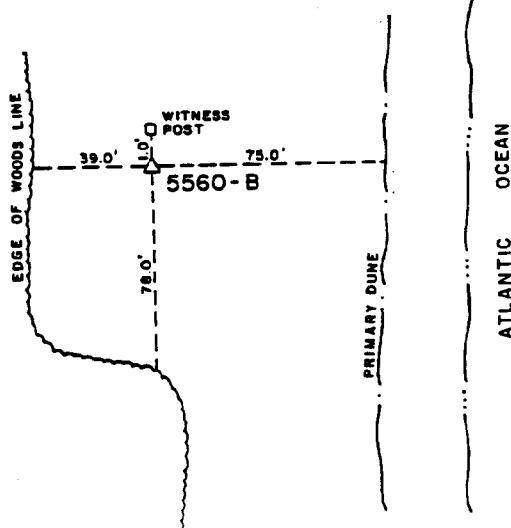
SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5560 B 1990  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°14'30"E SCALE FACTOR : 0.9997954  
NORTHING : 714.558.29 FEET LAT : 33°46'37.34655  
EASTING : 2.680.549.36 FEET LONG : 78°45'35.64557  
ELEVATION (NGVD 29) 10.05 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5550 B	241°21'18"E	S 60°06'48"W	2388.57 FEET
5570 B	056°24'16"E	N 55°09'45"E	2103.62 FEET

DESCRIPTION :  
LOCATED IN BRIARCLIFF ACRES, TO REACH  
FROM THE INTERSECTION OF U.S. HWY. 17  
BUSINESS & S-26-469 (LAKE ARROWHEAD ROAD).  
GO SOUTHEAST ON LAKE ARROWHEAD ROAD FOR  
1.19 MI TO THE INTERSECTION OF SHORE  
DRIVE ON THE RIGHT. CONTINUE AHEAD DOWN  
NARROW SAND ACCESS ROAD TO THE ATLANTIC  
OCEAN, TURN LEFT, NORTHEAST, ALONG OCEAN  
& GO 1.69 MI. TURN LEFT TOWARD SAND FENCE  
& MARK 82.0 FT BEYOND FENCE LINE.  
A STANDARD BRASS CAP SET ON A STAINLESS  
STEEL ROD ENCASED IN 4-IN PVC PIPE.

SKETCH :



DATE : JULY 1991

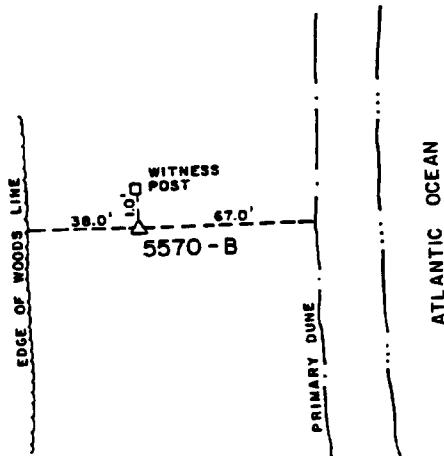
SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5570 B 1990  
STATE : SOUTH CAROLINA COUNTY : Horry  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1° 14' 42" 4 SCALE FACTOR : 0.9997955  
NORTHING : 715,759.73 FEET LAT : 33° 46' 48" 86103  
EASTING : 2,682,275.61 FEET LONG : 78° 45' 14" 88703  
ELEVATION (NGVD 29) 8.54 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5560 B	236° 24' 27".56	S 55° 09' 45" W	2103.62 FEET
5580	055° 15' 37".13	N 54° 00' 55" E	2566.60 FEET

DESCRIPTION :  
LOCATED IN BRIARCLIFF ACRES. TO REACH  
FROM THE INTERSECTION OF U.S. 17  
HWY. 17 BUSINESS & S-26-469 (LAKE  
ARROWHEAD ROAD). GO SOUTHEAST ON LAKE  
ARROWHEAD ROAD FOR 1.19 MI TO THE  
INTERSECTION OF SHORE DRIVE ON THE RIGHT.  
CONTINUE DOWN NARROW SAND ACCESS ROAD TO  
THE ATLANTIC OCEAN. TURN LEFT, NORTHEAST,  
ALONG OCEAN & GO 2.09 MI. TURN LEFT FOR  
0.05 MI TOWARD SAND FENCE & A GAP BETWEEN  
TWO DUNES & THE STATION AHEAD.  
A STANDARD BRASS CAP SET ON A STAINLESS  
STEEL ROD. ENCASED IN 4-IN PVC PIPE.

SKETCH :



DATE : JULY 1991

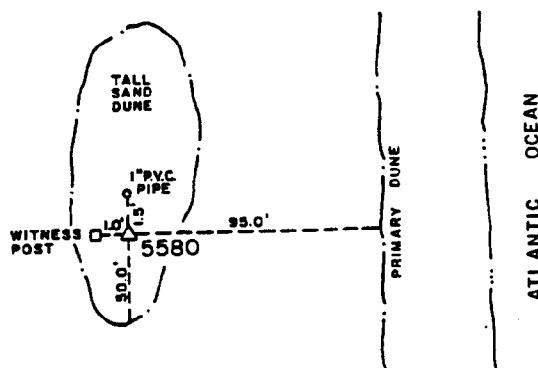
SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

PROJECT : SCCC SURVEY MONUMENTATION STATION NO. : SCCC 5580 1987  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1°14'56".2 SCALE FACTOR : 0.9997957  
NORTHING : 717,267.48 FEET LAT : 33°47'03"32909  
EASTING : 2,684,352.01 FEET LONG : 78°44'49"89964  
ELEVATION (NGVD 29) 18.43 FEET

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5570 B	235°15'50".98	S 54°00'55"W	2566.60 FEET
5590 A	056°39'17".51	N 55°24'21"E	2259.70 FEET

DESCRIPTION : LOCATED NEAR BRIARCLIFF ACRES, TO REACH FROM THE JUNCTION OF U.S. HWY. 17 BUSINESS & S-26-469 (LAKE ARROWHEAD ROAD). JUST SOUTH OF NORTH MYRTLE BEACH, GO SOUTHEAST ON LAKE ARROWHEAD ROAD FOR 1.19 MI WHERE THE ROAD CURVES TO THE RIGHT & A NARROW SAND ACCESS ROAD CONTINUES STRAIGHT AHEAD. CONTINUE AHEAD ON SAND ROAD TO THE BEACH, TURN LEFT & GO NORTHEAST ALONG BEACH FOR 2.60 MI TO THE STATION ON THE LEFT ON TOP OF A SAND DUNE. A STANDARD BRASS CAP SET ON TOP OF A 2-Ft LONG 2-IN PVC PIPE INSIDE A 6-IN PVC PIPE SURROUNDED BY CONCRETE.

SKETCH :



DATE : JULY 1991

SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH

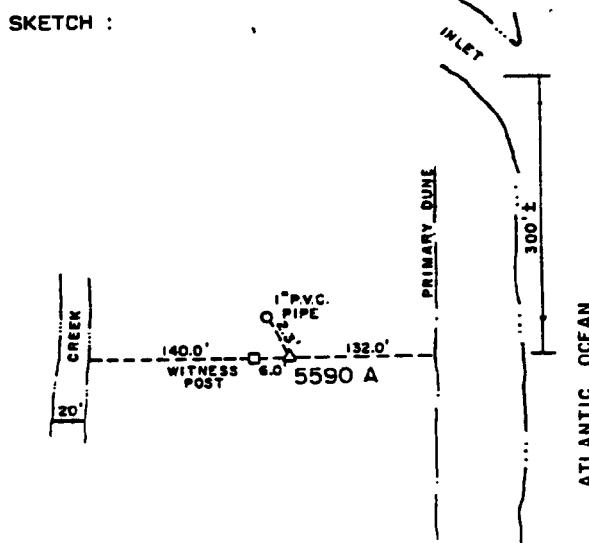
PROJECT : SCCC SURVEY MONUMENTATION STATION NO. SCCC 5590 A 1990  
STATE : SOUTH CAROLINA COUNTY : HORRY  
NAD 83 - SINGLE ZONE SPC - CONVERGANCE : 1° 15' 08.6" SCALE FACTOR : 0.9997958  
NORTHING : 718,550.18 FEET LAT : 33° 47' 15.61633  
EASTING : 2,586,211.80 FEET LONG : 78° 44' 27.53449  
ELEVATION (NGVD 29) 12.59 FEET

B

OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5580	236° 39' 29.91	S 55° 24' 21"W	2259.70 FEET
5590 B	059° 41' 06.77	N 58° 25' 58"E	1089.10 FEET

DESCRIPTION : LOCATED NEAR BRIARCLIFF ACRES. TO REACH FROM THE JUNCTION OF U.S. HWY. 17 BUSINESS & 48TH AVE. SOUTH IN THE SOUTHWEST PART OF NORTH MYRTLE BEACH. GO 0.65 MI SOUTHEAST ON 48TH AVE. NORTH TO OCEAN BOULEVARD. TURN LEFT (NORTHEAST) FOR 0.16 MI ON OCEAN BOULEVARD TO A BEACH ACCESS ROAD ON THE RIGHT. BETWEEN THE SUMMIT & WATER POINT RESORTS. TURN RIGHT (SOUTHEAST) ON SAND ACCESS ROAD FOR 0.05 MI TO THE BEACH. TURN RIGHT (SOUTHWEST) ON BEACH FOR 0.59 MI TO A STREAM INLET CROSSING THE BEACH. CONTINUE ACROSS THE STREAM & TURN RIGHT (NORTH) FOLLOWING THE WEST SIDE OF THE STREAM FOR 0.09 MI TO THE SAND DUNES. TURN LEFT (SOUTHWEST) & GO 0.09 MI ALONG THE SOUTHEAST SIDE OF THE GRASSY DUNES TO THE STATION ON THE RIGHT.

A STANDARD BRASS CAP SET ON STAINLESS STEEL ROD ENCASED IN 4-IN PVC PIPE



DATE: MARCH, 1995

**SOUTH CAROLINA COASTAL COUNCIL  
CONTROL SURVEYS  
NORTH MYRTLE BEACH**

PROJECT: SCCC SURVEY MONUMENTATIONSTATION NO.: SCCC 5590 B 1990STATE: SOUTH CAROLINA COUNTY: HORRYNAD 83 - SINGLE ZONE SPC - CONVERGENCE: 1°15'08.6"SCALE FACTOR: 0.9997958NORTHING: 718,550.18 FEETLONG: 33°47'15.61633"EASTING: 2,686,211.80 FEETLAT: 78°44'27.53449"ELEVATION (NGVD 29): 12.59 FEET

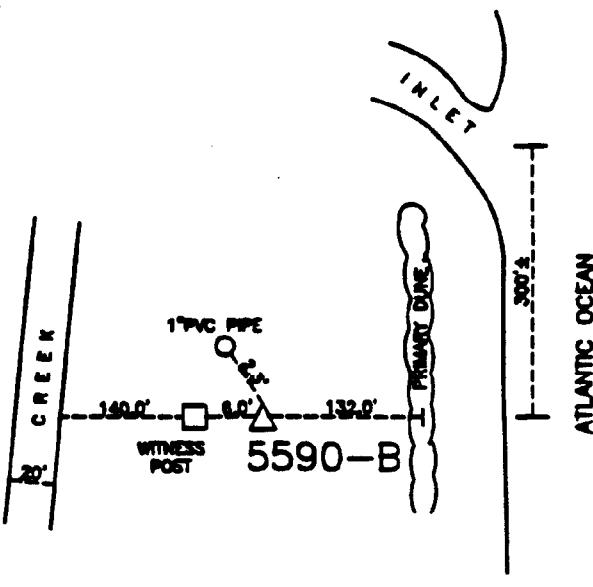
OBJECT	GEODETIC AZIMUTH	GRID BEARING	GRID DISTANCE
5580	236°39'30"	S 55°24'21"W	2258.70 FEET
5650 C	046°28'14"	N 45°14'04"E	1102.10 FEET

## DESCRIPTION:

LOCATED NEAR BRIARCLIFF ACRES, TO REACH FROM THE JUNCTION OF U.S. HWY. 17 BUSINESS & 48th AVE. SOUTH IN THE SOUTHWEST PART OF NORTH MYRTLE BEACH, GO 0.65 MI. SOUTHEAST ON 48th AVE. SOUTH TO OCEAN BLVD., TURN LEFT (NORTHEAST) FOR 0.16 MI. ON OCEAN BLVD. TO A BEACH ACCESS ROAD ON THE RIGHT, BETWEEN THE SUMMIT & WATER POINT RESORTS. TURN RIGHT (SOUTHEAST) ON SAND ACCESS ROAD FOR 0.05 MI. TO THE BEACH, TURN RIGHT (SOUTHWEST) ON BEACH FOR 0.58 MI. TO A STREAM INLET CROSSING THE BEACH, CONTINUE ACROSS THE STREAM & TURN RIGHT (NORTH) FOLLOWING THE WEST SIDE OF THE STREAM FOR 0.09 MI. TO THE SAND DUNES, TURN LEFT (SOUTHWEST) & GO 0.09 MI. ALONG THE SOUTHEAST SIDE OF THE GRASSY DUNES TO THE STATION ON THE RIGHT.

A STANDARD BRASS CAP SET ON TOP OF A 2' LONG 2" PVC PIPE INSIDE A 6" PVC PIPE SURROUNDED BY CONCRETE.

## SKETCH:



### **Appendix 3**

### **Long Term Shoreline Change Rates**

The long-term erosion rate for all stations along Shore Drive and in Briarcliff Acres, from 5510 to 5590, is -0.6 feet per year.